



DABS-MCEF

Mixing Chamber Extension Funnel

ACCESSORIES TO DABS



Mixing Chamber Temperature Control

DABS-MCTC

(DABS-MCCB, DABS-MCTS, DABS-CBQC)



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KEY FEATURES OF DABS-MCEF

Allows testing of high-volume materials (280 ml volume extension)

Perfectly fits on top of the DABS mixing chamber

Easy to clean

Dimensions:
95 x 61 x 95 mm (WxDxH)

Weight: 0.68 kg

MIXING CHAMBER EXTENSION FUNNEL

Testing fluffy materials such as non-pelletized carbon black requires higher volume to make up the same weight of sample. The MCEF chamber extension funnel, which fits tightly on top of the absorptometer mixing chamber, provides this additional space.

It also fits inside the safety cage of the HITEC Luxembourg DABS absorptometer. With its versatile design, the burette tip can be positioned at any height above the chamber, so the tip can be conveniently placed over the sample with or without the extension funnel.

Because the extension fits perfectly inside the hinged safety cage, its use has absolutely no effect on the handling of the sample, on the testing itself or on the cleaning.

On demand, an appropriate bracket for the "cover-safety-switch" can be offered to enable its use on a Brabender type E. This requires however also repositioning of the burette tip.

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KEY FEATURES OF DABS-MCTC

Maintain and monitoring constant temperature of the mixing chamber *

Perfectly fits around DABS mixing chamber

Dimensions:
140 x 80 x 50 mm

Weight: 0.64 kg

* Requires separate external cooling circulator

MIXING CHAMBER TEMPERATURE CONTROL

Continuous testing with the oil absorption system generates heat. The Mixing Chamber Temperature Control system allows keeping the bowl temperature low with the help of an external cooling bath. ASTM specifies the temperature of the mixing bowl to be 23 +/- 5 °C. HITEC Luxembourg even recommends keeping the tolerance at +/- 3 °C to improve the repeatability.

The DABS-MCTC comprises 3 main parts:

- the cooling block MCCB fits around the mixing bowl and is connected to a separate cooling circuit.
- the quick coupling set CBQC, with which the cooling block can be easily coupled with a cooling circuit. The CBQC set can be connected to a standard 9mm (3/8") hose and prevents cooling liquid from exiting the cooling circuit if disconnected.
- the temperature sensor MCTS

The temperature sensor can also be used without the cooling block. DABS and DABS-TERM (version 2 and up) are equipped with a Pt100 3-lead signal input to monitor the temperature of the. The values at beginning and end of a test appear on the printout.

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